

**FY10 SECTION 106 WORKPLAN  
REGION 4 Florida**

**Draft or Final (Underline one)**

**Date of latest workplan revision: June 3, 2009**

EPA Technical Point of Contact: Nancy Mash  
EPA Project Officer: Cynthia Edwards  
State Point of Contact: Rick Hicks

Phone #: 404-562-9450  
Phone #: 404-562-8692  
Phone #: 850-245-8229

Email address: marsh.nancy@epa.gov  
Email address: Edwards.cynthiay@epa.gov  
Email address: richard.w.hicks@dep.state.fl.us

Grant Program: Groundwater 106 Grant Program - 1 -

**Goal 2 - Safe and Clean Water Objective 2.1: Protect Human Health Sub-objective: 2.1.1: Water Safe to Drink**

<b>Task No.</b>	<b>106 Groundwater Workplan Task Description</b>	<b>Basis for 106 Workplan Task</b>	<b>Outputs/Outcomes</b>	<b>Due Date</b>	<b>EPA Comments</b>	<b>End-of-Year State Report/ State Comments (Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)</b>
<b>Groundwater Program Elements</b>						
1	Number of States and Territories that provided Integrated Reports consistent with EPA's guidance for Assessment, Listing, and Reporting Requirements pursuant to Sections 303(d), 305(b), 314 of the Clean Water Act.	Grant requirement	Outputs: State Groundwater Program will provide Groundwater reports and updates to be included with the State 305(b) Report. This report is required under the Water Pollution Control Act as a grant requirement. Mechanism for monitoring improved water quality Outcome: Protection of groundwater and public health	Groundwater report due April 1 on even years. Updates to the 305(b) report are due April 1 on odd years.		The 2010 Integrated Report will include a substantial chapter on ground water.
2	Number of States that have adopted and are implementing monitoring strategies in keeping with established schedules.	WQ-5	Outputs: Report on Groundwater Program participation/activities in relation to the State monitoring strategy	End-year (12/31/2010)		Attach report

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			Mechanism for monitoring improved water quality Outcome: Protection of groundwater and public health			
3	Protect groundwater and source water areas by reducing the occurrence of groundwater pollution	SP-4a & SP-4b, Clean Water Act—rationale for 106 GW funding to States	Output: Report on the actions/measures that the State has taken to identify, prevent and abate sources of contamination/pollution Outcome: Uncontaminated groundwater and safe drinking water.	End-year (12/31/2010)		<ul style="list-style-type: none"><li>Most permitted facilities that discharge to ground water are required to generate a ground water monitoring plan as part of the discharge permit. These plans incorporate monitor wells and quarterly water samples to track compliance with the ground water regulations. Each district office has ground water trained staff to review these</li></ul>

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						submittals, develop permit conditions, and review the quarterly monitor reports. Three Department district offices, the Southwest, Central, and South District offices have a large number of facilities to track with limited staffing. Grant funds will support an environmental specialist in each of these districts to assist with data review to ensure compliance with Florida's ground water standards. <ul style="list-style-type: none"> <li>FDEP has contracted with the Florida State</li> </ul>



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						<p>University Geosciences Department to provide the technical review of complex ground water models associated with ground water monitoring plans.</p> <ul style="list-style-type: none"> <li>The Ground Water Regulatory Section provides technical assistance to the Wastewater Program on ground water quality issues, monitoring plans, and review of ground water quality exemptions and variances.</li> </ul>
4	Groundwater Quality standards/ risk based rules	Program priority,	Output: Report on development,	End-year (12/31/2010)	Attach report	<ul style="list-style-type: none"> <li>The Department is</li> </ul>

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		SP-4a & SP-4b	amendments, and rulemaking activities that are related to groundwater resources. Outcome- clean and safe drinking water.			currently amending the ground water rules. Grant funds will be used to support travel associated with attending two workgroup meetings.  • Information on any new water quality standards or rules or changes occurring during the year that apply to ground water quality will be provided in mid-year and end-of-year reports
5	Aquifer characterization Provide Description of Activities	Program priority	Output: Report plans and activities designed to characterize groundwater resources from a regional or	End-year (12/31/2010)	Attach report	If funding is available the Ground Water Programs propose the following:  • Conducting a statewide assessment

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			statewide perspective. Outcome: Clean and safe drinking water.			<p>of existing data and producing a report on ground water conditions, significant water quality issues and ground water-surface water interaction potential and impacts</p> <ul style="list-style-type: none"> <li>• Support the development of county-scale aquifer vulnerability models using the Florida Aquifer Vulnerability Assessment</li> <li>• Conducting one or more ground water tracer study to help identify flow paths and sources of contaminants impacting springs</li> <li>• If funding is available</li> </ul>



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						the Florida Geological survey will continue a study to assess arsenic occurrences in Florida's ground waters.
6	Data management/ GIS Provide description of activities	State Program Priority	Output: Report activities that focus specifically on data acquisition, integrating groundwater data with other environmental data, and /or increasing the accessibility of groundwater data among different programs and agencies of the State and EPA. Outcome: Protection of groundwater and public health.	End-year (12/31/2010)	Attach report	<ul style="list-style-type: none"> <li>The Ground Water Protection Section will continue to compile a database of ambient ground water and springs water quality data that represents all available data from the 5 water management districts, the USGS, and three agency databases and advance development and refinement of tools for data retrieval and mapping.</li> </ul>

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						<ul style="list-style-type: none"> <li>Florida will continue GIS based SWAPP assessments.</li> <li>SWAPP results and data will continue to be maintained in an Oracle database that is used to provide data for the SWAPP website.</li> <li>The Ground Water Regulatory Section continues to evaluate the location accuracy and ground water quality of Delineated Areas (areas adopted by rule within which there is known ground water contamination). GIS coverage of these areas is currently being reviewed and</li> </ul>



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						will be updated through rulemaking as needed.
7	Cross-Program/Cross agency Coordination Provide description of activities.	State & EPA Program Priority	Output: Report activities (other than source water/wellhead protection) that involve and promote coordination/collaboration with other programs and agencies. Outcome: Protection of groundwater and public health.	End-year (12/31/2010)	Attach report	<ul style="list-style-type: none"> <li>The ground water activities are enmeshed with Florida's Watershed Approach and ground water staff work closely with surface water assessment staff in evaluating ground water-to-surface water impacts relative to impaired surface waterbodies</li> <li>The Ground Water Protection Section also works closely with the Springs Initiative, and has a key role in springs water quality assessment and</li> </ul>

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						<p>restoration projects</p> <ul style="list-style-type: none"> <li>The ground water staff continues to coordinate the state's protective ground water program with the Florida Department of Agriculture and Consumer Services (DACS). Ground Water Protection Section staff provides technical assistance on products subject to pesticide registrations and assist in the management of nutrient-related BMP studies at agricultural sites.</li> <li>Through an interagency agreement, the DEP</li> </ul>

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						works with the Department of Health (DOH) in sampling private water wells for investigating ground water contamination and protecting public health. Ground Water Protection Section will continue providing assistance in identify problem areas requiring sampling <ul style="list-style-type: none"> <li>• The Ground Water Regulatory Section promotes coordination of ground water regulatory efforts through a Ground Water Work Group. This Group includes</li> </ul>



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						representatives from each DEP District Office, the Ground Water Regulatory Section, and the Division of Waste Management. The work group provides a forum for discussing and resolving ground water issues, facilitates communication between programs on ground water initiatives, and promotes consistency in application of rules. Grant funds will be used to support travel to two meetings that will be held to work on

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						amendments to the Ground Water Rule during FY 2009. <ul style="list-style-type: none"> <li>The Ground Water Regulatory Section holds quarterly Water Well Contractor Work Group meetings with representatives from the water management districts, Florida Department of Health, the Florida Ground Water Association and private water well contractors. Water well permitting, construction, contractor licensing, rules and other related issues are discussed at these</li> </ul>

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						<p>meetings. Grant funds support travel and one environmental specialist position to perform technical review and data management.</p> <ul style="list-style-type: none"> <li>The DEP continues to implement the Florida Unique Well Identification Program (FLUWID). The objective of the program is to assign a unique alphanumeric code to water wells to facilitate well identification and interagency exchange of water well data. Grant funds support the purchase of FLUWID tags</li> </ul>



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						<p>Approximately 12,000 FLUWID tags will be issued for fiscal year 09/10.</p> <ul style="list-style-type: none"> <li>The Ground Water Regulatory Section maintains the Water Well Contractor Violation Clearinghouse. The Clearinghouse used by the Department and water management districts to track water well contractor licenses, violations, and contractor disciplinary action and non-licensed persons in violation of the rules.</li> <li>The Ground Water</li> </ul>

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						<p>Regulatory Section continues to oversee and maintain the contract for the Water Well Contractor Continuing Education Program. DEP will report on the number of classes/courses made available to water well contractors for CEU credit.</p> <ul style="list-style-type: none"> <li>The State will participate in EPA state program directors meetings.</li> </ul>
8	Education and Outreach Provide description of activities.	State Program Priority	Output: Report Participation in education and outreach programs as well as direct interactions with communities concerning activities/action plans	End-year (12/31/2010)	Attach report	<ul style="list-style-type: none"> <li>Ground water program staff will continue to maintained program web pages during FY 2009. The web pages provide information on the wellhead</li> </ul>

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			to address groundwater contamination. Outcome: Protection of groundwater and public health.			<p>protection and source water assessment and protection programs, ground water standards, and ground water assessments for individual basins in Florida.</p> <ul style="list-style-type: none"> <li>If funding allows, the Ground Water Protection Section will continue to work with local community colleges and other venues to support ground water educational programs. A ground water educational grant with Chipola College and the FDEP's Living in Florida's Environment (LIFE) program will continue</li> </ul>



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						<p>in a Madison County middle school, which serves residents of the Suwannee River Basin.</p> <ul style="list-style-type: none"> <li>The SWAPP website will be maintained and updated.</li> </ul>
9	Environmental Justice	State Program Priority	Output: Report activities that specifically target and/or assist minority and low -income communities in groundwater protection. Outcome: Protection of groundwater and public health.	End-year (12/31/2010)	Attach report	All environmental regulations under development in Florida are discussed during public workshops to engage local citizens into the public policy forum. The Department will conduct at least one public workshop for any environmental regulation that is pursued for adoption concerning ground water protection.
10	Other Groundwater Protection Activities	State Program	Output: Report other activities that seek to	End-year (12/31/2010)	Attach report	If 106 grant funding is available, the following

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EPA Technical Point of Contact: Nancy Mash  
EPA Project Officer: Cynthia Edwards  
State Point of Contact: Rick Hicks

**Draft or Final (Underline one)**

Phone #: 404-562-9450  
Phone #: 404-562-8692  
Phone #: 850-245-8229

**Date of latest workplan revision: June 3, 2009**

Email address: marsh.nancy@epa.gov  
Email address: Edwards.cynthiay@epa.gov  
Email address: richard.w.hicks@dep.state.fl.us

Grant Program: Groundwater 106 Grant Program - 1 -

**Goal 2 - Safe and Clean Water Objective 2.1: Protect Human Health Sub-objective: 2.1.1: Water Safe to Drink**

<b>Task No.</b>	<b>106 Groundwater Workplan Task Description</b>	<b>Basis for 106 Workplan Task</b>	<b>Outputs/Outcomes</b>	<b>Due Date</b>	<b>EPA Comments</b>	<b>End-of-Year State Report/ State Comments (Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)</b>
		Priority	prevent, identify, reduce, or eliminate groundwater pollution. With each activity include the objective, methods, deliverable outputs, and planned milestone schedule. Outcome: Protection of groundwater and public health.			<p>projects have been underway or are planned for FY09:</p> <ul style="list-style-type: none"> <li>Continuation of a small grants program with the Florida Rural Water Association to assist small PWSs in source water outreach and education. Also provide funding to FRWA for the proper abandonment of wells that pose threats to human health or the ground water quality.</li> <li>Continuation of an assessment of performance based septic systems in the Woodville Karst Plain</li> <li>An assessment of</li> </ul>

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**Goal 2 - Safe and Clean Water Objective 2.1: Protect Human Health Sub-objective: 2.1.1: Water Safe to Drink**

Task No.	106 Groundwater Workplan Task Description	Basis for 106 Workplan Task	Outputs/Outcomes	Due Date	EPA Comments	End-of-Year State Report/ <u>State Comments</u> (Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
						<p>septic tank influences on shallow ground water and surface water quality in the Lower St. Johns River Basin</p> <ul style="list-style-type: none"> <li>• Development of a GIS-based simplified model to assess the attenuation and transport of nitrate from septic tanks in a surficial aquifer and loading to surface water</li> <li>• Assessment of sources of nitrate in selected springs using ground water isotopes and other tracers</li> <li>• Ground water-surface water interaction assessments to</li> </ul>



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						support TMDL Program activities

***Source Water Program Elements***

11	Percent of community water systems and percent if the population served by community water systems where risk to public health is minimized by source water protection.	Strategic Target <b>SP-4a and SP-4b</b> EPA Strategic Plan	Output: Definition of substantial implementation to determine "minimized risk". Narrative description and percent of CWS and the percent population served that have strategies in place and that are being implemented (See Source Water Assessment and Protection Program Measures Guidance, March 2005.) Outcome: Protection of groundwater and public health.	03/12/2010  08/13/2010	Use attached file (Source Water Reporting FY10.doc) for reporting format for Strategic Target SP-4a and SP-4b.	Florida continues to track and report on % of community water systems for which substantial source water protection strategies are being implemented (committed to 65% of community water systems, and 67% of the population served)
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Grant Program: Groundwater 106 Grant Program - 1 -

**Goal 2 - Safe and Clean Water Objective 2.1: Protect Human Health Sub-objective: 2.1.1: Water Safe to Drink**

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12	Other Source Water/Wellhead Protection Activities Provide description of activities	Program Priority	Output: Report specific activities that support implementation of the State Source Water/Wellhead Protection Programs. Outcome: Protection of groundwater and public health.	End-year (12/31/2010)	Attach report	<ul style="list-style-type: none"> <li>Source water assessments will be updated for the entire state by October 2009.</li> <li>A contract was set up with the Florida State University to model source water assessment areas for new drinking water systems and update assessment areas for existing systems on an as needed basis.</li> <li>Obtain and verify accurate location data for potential contaminant sources (UIC and wastewater sites.)</li> </ul>

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						<ul style="list-style-type: none"> <li>Provide assistance to local source water protection efforts through funding of three Florida Rural Water Association (FRWA) technicians</li> </ul>

***Other Grant Activities***

13	Quality Assurance: Quality Management Plan (QMP) The State commits to maintaining an up-to-date and approved Quality Management Plan (QMP). The State shall review its QMP at least annually to reconfirm its suitability and effectiveness. When significant changes occur, as defined in EPA QA/R-2, the State shall revise and resubmit the QMP to EPA for review and approval.	In accordance with EPA Order 5360.1 A2 and EPA Requirements for Quality Management Plans, EPA QA/R-2.	Output: Up-to-date and approve QMP.  Outcome: Protection of groundwater and public health.	12/31/08	Send confirmation to EPA	In development; the FDEP Environmental Assessment Section is currently working on the new QMP and has been coordinating with EPA.
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14	The State commits to maintaining an up-to-date and approved Quality Assurance Project Plan	EPA Order 5360.1 A1 40 CFR §31.45	Output – QAPP Submit revisions to existing plan or statement that there were no revisions. Outcome: Protection of groundwater and public health.	12/31/2008	Send confirmation to EPA	No revisions to current plan.